

Title (en)

Aluminidning of a metallic surface using an aluminum-modified maskant, and aluminum-modified maskant

Title (de)

Aluminisierung einer metallischen Oberfläche mit einer aluminium-modifizierten Maske und aluminium-modifizierte Maske

Title (fr)

Aluminisation d'une surface métallique employant un masque modifié par de l'aluminium et masque modifié par de l'aluminium

Publication

EP 1076109 A1 20010214 (EN)

Application

EP 00306658 A 20000804

Priority

US 37326799 A 19990811

Abstract (en)

A metallic substrate (60) has a substrate surface (64) having a substrate surface of nickel, a substrate aluminum content, and other alloying elements. A maskant (62) is applied overlying the substrate surface (64) to produce a masked substrate surface (64) having an exposed region (68) and a protected region (70). The maskant (62) includes a plurality of maskant particles (72), each particle (72) having a maskant particle composition comprising a maskant metal selected from the group of nickel, cobalt, titanium, chromium, iron, and combinations thereof, and a maskant aluminum content. The substrate (60) is aluminidized by contacting a source of aluminum to the masked substrate surface (64), whereby aluminum deposits on the exposed region (68) and does not deposit on the protected region (70). <IMAGE>

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C23C 10/04

IPC 8 full level

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Citation (search report)

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